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China, Peoples Republic of

FAIRS Product Specific

Standard for Melamine-Formaldehyde Packaging

2009

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Report Highlights:

Effective September 1, 2009, "GB 9690-2009 Hygienic Standard for melamine-formaldehyde products used as food containers and packaging materials" will replace "GB 9690-1988 Hygienic Standard of melamine products used as food packaging". This report contains an UNOFFICIAL translation of the GB 9690-2009 standard.

Includes PSD Changes: No
Includes Trade Matrix: No
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Summary

Effective September 1, 2009, "GB 9690-2009 Hygienic Standard for melamine-formaldehyde products used as food containers and packaging materials" will replace "GB 9690-1988 Hygienic Standard of melamine products used as food packaging".

This measure has not been notified to the WTO.

This GAIN report contains an UNOFFICIAL translation of "GB 9690-2009 the Hygienic Standard for melamine-formaldehyde products used as food containers and packaging materials".

BEGIN TRANSLATION**National Standard of the People's Republic of China****GB 9690-2009****To replace GB 9690-1988**

Hygienic Standard for melamine-formaldehyde products used as food containers and packaging materials**Preamble**

All technical components of the standard are mandatory.

The standard is formulated based on the Food Hygiene Law of China.

The standard replaces GB 9690-1988 the Hygienic Standard of Melamine Products Used as Food Packaging.

Compared with GB9690-1988, the current version has made the following revisions:

- The standard title is changed to Hygienic standard for melamine-formaldehyde products used as food containers and packaging materials;
- Added are scope, normative reference, requirements for raw materials, testing method, labeling, packaging, transportation, and storage;
- Changed the transfer limits of single formaldehyde units from 30 mg/L to 2.5 mg/dm²;
- Revised the unit of evaporation residue limits, consumption of potassium permanganate, and heavy metal limits under physical-chemical index from mg/L to mg/dm²;
- Added the index for transfer volume of single melamine unit.

The standard is proposed and managed by the Ministry of Health.

The standard is up to Ministry of Health for interpretation.

The main drafting organization is Shanghai Food and Drug Administration

Drafting organization involved in the drafting: Health Supervision Institute under Huangyan Health Bureau, Taizhou, Zhejiang

Main drafters of the standard include Peng Shaojie, Gu Zhenhua, Hu Xiaoli, Zhao Yuxiang, Chen Rongfang.

The publication history of the standard: GBn87-1980, GB 9690-1988.

Hygienic Standard for melamine-formaldehyde products used as food containers and packaging materials

1 Scope

The standard sets forth the requirements for raw materials, hygienic requirements, testing methods, labeling, packaging, transportation, and storage for melamine-formaldehyde products.

The standard applies to melamine-formaldehyde products used as food containers, packaging materials, and food industry equipment and instruments that are processed from melamine-formaldehyde resin.

2 Normative references

The following normative documents contain provisions that have been cited and become part of the standard. For referenced documents with dates, their subsequent amendments to, or revisions (excluding contents of corrections) of, do not apply. However, parties having reached an agreement based on the standard are encouraged to study whether the latest versions of these documents can be used. For referenced documents without dates, their latest versions are applicable.

GB/T 5009.61 Analytical method for hygienic standard of products of melamine products used for food packaging

GB/T 5009.156 General rules of infusion test method for food packaging materials and their products

GB 9685 Hygienic standards for uses of additives in food containers and packaging materials

GB/T 16288 Labeling of plastic products (GB/T16288-2008, ISO 11469:2000, MOD)

3 Requirements for raw materials

3.1 Melamine-formaldehyde resin

Under the recommended conditions, the selected materials shall not release substances harmful to health.

3.2 Additive

Additives shall comply with the requirements of GB 9685.

4 Hygienic requirements

4.1 Sensory index

Products shall present normal color, smoothness, no abnormal odor, and no foreign matter.

4.2 Physical-chemical index

Physical-chemical indices shall comply with the requirements of Table 1.

Table 1 Physical-Chemical index

Item		Index
Evaporation residue/(mg/dm ²) Water, 60°C, 2 h =		2
Consumption volume of potassium permanganate/(mg/dm ²) Water, 60°C, 2 h =		2
Transfer volume of single formaldehyde unit/(mg/dm ²) 4% acetic acid (volume fraction), 60°C, 2 h =		2.5
Transfer volume of single melamine unit/(mg/dm ²) 4% acetic acid (volume fraction), 60°C, 2 h =		0.2
Heavy metal (as per lead)/(mg/dm ²) 4% acetic acid (volume fraction), 60°C, 2 h =		0.2
Decolorization experiment	65% ethanol	Negative
	Cold dish oil or air color oil	Negative
	Infusion liquid	Negative

5 Test methods

5.1 Sensory index

Test in accordance with the sensory test methods.

5.2 Physical-chemical index

Pre-treatment and preparation of samples shall comply with the methods as described in GB/T 5009.156. Then, test in accordance with the methods described in GB/T 5009.61.

6 Labeling

6.1 Labeling of materials shall comply with relevant regulations in GB/T16288, and indicate "for food" and "not to be used in micro-wave oven for heating purposes".

6.2 Outer packaging shall be labeled as "for food" and indicate manufacturer, product name, application conditions, and material category, etc.

7 Packaging, transportation and storage

The inner package of the product shall use materials that comply with food hygiene standards and health requirements and make sure that the product will not be contaminated during transportation, loading and unloading, and storage. The product shall be moisture-proof and dust-proof. Both the inner and outer packaging shall remain dry, intact, and clean.

END TRANSLATION